

Figure 1. The 12 test items of the TAP. The items are arranged in a 3x4 grid. Each item consists of a diagram of a mechanical system (a spring-mass-damper system) and a corresponding differential equation. The items are labeled 1 through 12.

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1. A file system comprising a plurality of volumes, comprising a setting unit setting correspondence with path information and

5 a file managing unit managing policy data composed of the directory and the policy attribute.

10 2. A file system comprising a plurality of volumes, comprising a setting unit setting correspondence with path information and

15 an assigning unit assigning a directory so as to be included in or assigning specified policy attribute to a subdirectory.

20 3. The file system wherein

information indicating a path search is registered in policy attribute data.

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5 a setting unit setting
correspondence with path information
and

10 a file managing unit managing
policy data composed of the
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15 2. A file system comprising
a plurality of volumes, comprising
a setting unit setting
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20 an assigning unit assigning
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or assigning specified policy attribute
subdirectory.

25 3. The file system
wherein
information indicating
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policy attribute data.

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10 a file managing unit m
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20 3. The file system
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25 policy attribute data.

2. A file system of a plurality of volumes, comprising:
a setting unit setting a correspondence with path information and
an assigning unit assigning of a directory so as to be inherited or assigning specified policy to a subdirectory.

3. The file system wherein
information indicating a path search is registered in policy attribute data.

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4. The file system according to claim 3,
further comprising

a control table storing information indicating a
directory to be searched next, wherein

5 pointer information pointing to a storage
location within said control table is registered as
policy attribute data of a directory.

10 5. The file system according to claim 4,
wherein

checkpoint information indicating path
information of a directory yet to be generated is
registered to said control table for the directory.

15 6. The file system according to claim 4,
wherein

checkpoint information registered to said control
table is searched, and a directory for which the
checkpoint information is set is searched.

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7. The file system according to claim 2,
wherein

when a name of a directory is changed, policy
attribute data of a parent directory is inherited to
25 a subdirectory if policy attribute data is not specified

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for the subdirectory, and specified policy attribute data is assigned to a subdirectory if the policy attribute data is specified for the subdirectory.

5 8. The file system according to claim 2,
 wherein:

whether or not to require inheritance is predefined for the policy attribute data; and

policy attribute data of a parent directory is
10 assigned so as to be inherited to a subdirectory if the
policy attribute data of the parent directory is data
which is requested to be inherited, or specified policy
attribute data is assigned to the subdirectory if the
policy attribute data of the parent directory is data
15 which is not requested to be inherited.

9. The file system according to claim 1,
further comprising

20 a policy violation registering unit registering
policy violation information indicating a policy
attribute violation to corresponding policy attribute
data, if a file operation which violates the policy
attribute data is performed.

25 10. The file system according to claim 1,

further comprising

a policy recovering unit causing a file or a directory which violates a policy to comply with the policy, and deleting corresponding policy violation information.

11. The file system according to claim 1, wherein

information of a total size of files within a directory is registered as policy attribute data of the directory.

12. The file system according to claim 1, wherein

when a file is stored in an archive file, policy data composed of path information of a directory and policy attribute data is stored in the archive file.

13. The file system according to claim 12, further comprising

a registering unit reading and registering the policy data stored as a hidden file in the archive file, when the file is backed up.

14. The file system according to claim 13,

wherein

when a file is restored

between path information of a d

and path information of a dire

data stored as the hidden file

the policy attribute data is s

path information of which mat

15. A file management

system configured by one or

comprising:

setting policy attribute

with path information of a di

managing a file based on

the path information of the d

attribute data.

16. A computer-readable

is recorded a program for causi

a process, said process compr

setting policy attribute

with path information of a di

managing a file based on

the path information of the d

attribute data.

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managing a file based on policy data composed of the path information of the directory and the policy attribute data.

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managing a file based on policy data composed of the path information of the directory and the policy attribute data.

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17. A computer-readable storage medium on which is recorded a program for causing a computer to execute a process, said process comprising:

5 setting policy attribute data in correspondence with path information of a directory; and

 assigning policy attribute data set for a directory so as to be inherited to a subdirectory, or assigning specified policy attribute data to a subdirectory.

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